MDCLXXXVII.

CAMBRIDGE EPHEMERIS.

AN

ALMANACK

OF

Cœlestiall Motions and Configurations for the Year of the Christian Epocha,

1687.

Being (*in our account*) Leap Year;

And from

The
- Creation of the World ——— 5636.
- Constitution of the Julian Year —— 1731.
- Suffering of CHRIST ——— 1654.
- Correction of the Calend by P. Greg: 105.
- Beginning of the Reign of our Soveraign Lord JAMES II. ——— 03.

Whose Vulgar Notes are

Golden Number ——	16.	Cycle of the Sun.	16
Roman Indiction. ——	10.	Epact. ———	26.
Dominicall Letters. B. A.		N. Direction. —	05.

Calculated for Longitude 315. *gr.* and Latitude 42. *gr.* 30. *min.* North.

Nec frustra signorum obitus
speculamur, & ortus,
Temporibusque parem diversis
quatuor annum.

CAMBRIDGE.
Printed by S. G. College Printer 1687

Rect Feb. 1. 168⅞. ex dono Authoris.

Of the Eclipſes, 1687.

TWice will the Inhabitants of the Terreſtrial Planet, Diſcern the Greater Luminarie Darkned.

The firſt Eclipſe will happen on the firſt of *May*, in 21 *deg.* of Taurus; It will be a great Eclipſe, and will appear ſo to ſome Parts of the World, but will not be Viſible here.

The ſecond will be on *October* the 26 day, in 13 *deg.* of Scorpio a great Eclipſe alſo, but not Viſible to us.

There are ſome who Judge the Moon will ſuffer an Eclipſe on May the 17 in the Morning; but theſe two Eclipſes of the Sun, happning, one before the Suns Apogæon, *and the other after it and being like-wiſe very great, almoſt Centrall, do evince the Contrary, and farther Demonſtrate that there can be no full Moon Eclipſe this Year.*

ON *December* the 19: 1686. Arrived at *Nantaskit* His Excellency *SIR. EDMOND ANDROSS*, His MAJESTIES Generall Governour, of His Territory and Dominion of *NEW-ENGLAND* in *AMERICA*, He Landed at Boſton on the Monday following, and was Received with generall Acclamations of Joy.

MARCH hath 31 dayes

Pla.	of ☉		☽		♄		♃		♂		♀		☿	
1	21	♓ 26	♒	23	10	♐ 49	22	♐ 43	29	♐ 09	30	♓ 12	9	♓ 28
6	26	24	♉	7	9	57	23	4	2	♑ 11	6	♈ 23	18	24
11	1	22	♋	10		34		24	5	12	12	35	27	53
16	6	19	♍	17		11		38	8	12	18	44	7	♈ 46
21	11	12	♏	12	8	46		48	11	12	24	58	18	2
26	16	09	♑	19	8	21		54	14	11	6	♉ 7	28	1

M. W. Quart ☾ Conr s Pl. Asp, &c. R ☉ S. ☉ R. Asc. ☽ Age. h. m.

Moodey

1	3	✱ ♄ ☾ Grand Assize. ☾ Perig.	6	12	6	23	28	28	10	24	Abigail
2	4	✱ ♂ ☽. T. high.		12		23	32	29	11	12	
3	5	N. Moon, 26 p. 11. foren. C.		10		23	36	00	00	00	
4	6	T. fall. ☾ Court Hartford		08		23	39	01	11	12	
5	7	△ ♄ Lun ☍ ♄ Lu.		07		23	42	02	10	24	
6	B	△ ♂ Lun.		05		23	46	03	09	36	
7	2	ego non ✱ ☿ Lun. ☽ ☊		04		23	50	04	08	48	timui?
8	2	C. Court Fairfield. ✱ ☉ Lu		02		23	53	05	08	00	
9	4	△ ♄ Lun. ✱ ♀ Lun. □ ♄ ☿.		01		23	57	06	07	12	
10	5	Day & Night equall. I. Quar.		00		00	01	07	06	24	
11	6	☾ 12. m. p. 4. afternoon	5	59	6		05	08	05	36	
12	7	□ ♀ Lun.		57			08	09	04	48	
13	B	△ ☉ Lun. △ ☿ Lun.		55			12	10	04	00	
14	2	✱ ♄ Lun. ☌ ☉ Lun		53			16	11	03	12	
15	3	△ ♃ ☾. Co. Plim. ☽ Apo.		52			19	12	02	24	
16	4	□ ♂ ♀ △ ♂ Lun.		51			23	12	01	36	
17	5	□ ♄ Lun.		49			26	14	00	48	
18	6	Full Moon, 40. m. p. 7. Night.		47			29	15	00	00	
19	7	☍ ☉ Lun. □ ♄ ♂.		45			33	16	00	48	
20	8	△ ♃ ♀. ✱ ♃ Lun. ☍ ♀ ☾		44			37	17	01	39	
21	2	△ ♂ ☉. ✱ ♂ Lun.		43			41	18	02	24	
22	3	☾ ☊.		41			45	19	03	12	
23	4	✱ ♄ Moon.		40			48	20	04	00	
24	5	□ ♃ ☿. △ ☉ Lun.		39			52	21	04	48	
25	6	☌ ♂ Lun. △ ♀ Lun.		38			55	22	05	36	
26	7	2. Quar. 10. m. p. 6. Morn.		37			59	22	06	24	
27	B	□ ♀ Lun. □ ♀ Lun.		36		1	3	24	07	12	
28	2	✱ ☉ Moon: ☾ Perig.		34		1	6	25	08	00	
29	3	C. Ipsw. & N. Hamp. ✱ ☿ ☾ T.		32		1	10	26	08	48	
30	4	✱ ♂ Lun. ☾ Rise		31		1	14	27	09	36	
31	5	☍ ♄ Lun. ☌ ♀ ☿.		30		1	17	28	10.	24	

Latitude of	♄	♃	♂	♀	☿
to every 10	2 N 14 0	N 45 0	N 8 1	S 18 1	S 54
Day of the	2 14 0	43 0	S 4 1	5 0	4
Moneth.	1 14 0	40 0	20 0	46 0	N 58

APRIL hath 30 dayes

Pla. of	☉	☽	♄	♃	♂	♀	☿
1	23 ♑ 2	♈ 16	7 ♎ 56	23 ♐ 54	17 ♑ 33	08 ♉ 31	08 ♉ 45
6	26 54	♊ 24	7 35	23 49	20 22	14 40	16 01
11	01 ♉ 46	♌ 24	7 14	23 40	23 08	20 47	21 05
16	06 37	♎ 25	6 56	23 25	25 51	26 54	23 39
21	11 28	♑ 01	6 38	23 06	28 27	03 ♊ 0	23 46
26	16 17	♓ 13	6 22	22 43	01 13	09 05	21 42

M.	W.	Quart, of ☾ Courts Pla, Asp. &c	R ☉ S	S. R	Asc.	☾ Ag.	h m
1	6	N. Moon. 31, m. p. 10. night	5 28 7	01	21	29 11	12
2	7	△ ♃ Lun. Tides Fal	27		25	00 00	00
3	B	△ ☉ *Jupitur.*	26		29	01 11	12
4	1	☾ ☊	24		33	02 10	24
5	3	C Pleas Concord, & Portsmouth.	23		36	03 09	36
6	4	✱ ☉ Lun. ☍ ♃ Lun.	22		40	04 08	48
7	5	□ ♄ Lun. ✱ ♀ Lun.	30		44	05 08	00
8	6	☍ ♂ Lun.	18		47	06 07	12
9	7	1. Quart. 48. m. p. 9 morn.	17		51	07 06	24
10	B	✱ ♄ Lun.	16		54	08 05	36
11	2	□ ♂ Lun. □ ☿ Lun. ☾ Apo	15		58	09 04	48
12	3	Co. Pleas at Wells.	14	02	02	10 04	00
13	4	□ ♃ Lun. △ ♀ Lun.	13		06	11 03	12
14	5	△ ♂ Lun.	11		10	12 02	24
15	6	☌ ♄ Lun. △ ♂ ♀	10		13	13 01	36
16	7	Tides pritty high.	09		17	14 00	48
17	B	Fall Moon. 41. m. p. 9. mo.	08		21	15 00	00
18	2	✱ ♂ Lun. ☾ ☊	07		25	16 00	48
19	3	Court at Barnstable	06		29	17 01	36
20	4	☌ ♃ Lun.	04		32	18 02	24
21	5	□ Jupi. Lun.	03		36	19 03	12
22	6	△ ☉ Lun.	02		40	21 04	00
23	7	☌ ♂ Lun.	01		44	20 04	48
24	B	2. Quart. 25. m. p. 11. morn.	4 59 8		48	22 05	36
25	2	△ ♄ ♀ ☾ Perig	57		51	23 06	24
26	3	Courr. Pleas Boston.	56		55	24 07	12
27	4	✱ ♂ Lun. □ ♃ Lun.	55		59	25 08	00
28	5	✱ ♀ Lun. ☍ ♄ Lun.	54		03	26 08	48
29	6	△ Jup. Lun. Tides Rise	53		07	27 09	36
30	7	□ ♂ Lun.	52		10	28 10	24

Latitude of	♄	♃	♂	♀	☿
to every 10th Day of the Moneth.	2 N 14	00 N 38	0 S 35	0 S 23	2 N 36
	2 15	00 36	0 46	0 N 2	2 35
	2 16	00 34	1 22	0 26	0 S 37

MAY hath 31 dayes

Pla. of	☉	☽	♄	♃	♂	♀	☿
1	21 ♉ 05	♉ 23 6	♎ 08	22 ♐ 6	03 ♒ 44	15 ♊ 08	19 ♉ 16
6	26 00	♋ 26 5	56	21 46	06 07	21 11	16 34
11	00 ♊ 12	♍ 26 5	46	21 14	08 25	27 14	14 58
16	05 29	♐ 00 5	39	20 39	10 36	03 ♋ 15	15 15
21	10 15	♒ 11 5	33	20 04	13 09	09 5	17 14
26	15 05	♈ 21 5	30	19 27	14 59	15 16	21 08

M.	W.	Quart. ☾ Courts Pla. Apo. &c.	R ☉ S.	SR.	Asc.	☽ Age.	h. m
1	B	N. Moon, 3. m. p. 8. m. ☾ ☊	4 51	8 03	14	29 11	12
2	2	△ ♄ ♃	50		18	01 11	12
3	3	☍ ♃ Lun.	49		22	02 10	24
4	4	□ ♄ Lun.	48		26	03 09	36
5	5	✱ ☿ ☾. ✱ ☉ Lun.	47		30	04 08	48
6	6	✱ ♄ Lun. ☍ ♂ ☾. ☍ ♃ ♀.	46		34	05 08	00
7	7	□ ♀ Lun. △ ♄ ♂	45		38	06 07	12
8	B	△ ♃ Lun.	44		42	07 06	24
9	2	1. Quart. 18. m. p 3. m. ☾ Apo.	43		46	08 05	36
10	3	△ ♀ Lun.	42		50	09 04	48
11	4	□ ♀ Lun.	41		54	10 04	00
12	5	Co. Election Hertford.	40		58	11 03	12
13	6	✱ ♃ Lun.	39	04	02	12 02	24
14	7	□ ♂ Lun.	38		06	13 01	36
15	B	✱ ♂ Lun. Tides Rise. ☾ ♈	38		10	14 00	48
16	2	Full Moon. 27. m. p. 9 n. ☍ ☉ ☾	37		14	15 00	00
17	3	Co Bristol [✱ ☉ ♄	36		18	16 00	48
18	4	Fair Bristol. □ ♄ ♀.	35		22	17 01	36
19	5	Fair Bristol. Tides continue pretty	34		26	18 02	24
20	6	□ ♄ Lun. (high	33		30	19 02	12
21	7	☌ ♂ Lun. □ ♀ Lun.	32		34	20 04	00
22	B	✱ ♃ Lun. ☽ Perig.	22		38	21 04	48
23	2	2. Quart: 35. m. p. 3. afternoon.	31		42	22 05	36
24	3	Court Assist. Hertford.	31		46	23 06	24
25	4	✱ ♂ Lun. ☍ ♄ Lun.	30		50	24 07	12
26	5	△ ☉ ♂.	30		54	25 08	00
27	6		29		58	26 08	48
28	7	✱ ☿ Lun. ✱ ♀ Lun.	29	05	02	27 09	36
29	B	△ ♄ Lun.	28		06	28 10	24
30	2	N. Moon. 47. m. p. 7. n. ☍ ☉ ♃.	28		11	29 11	12
31	3		28		15	01 11	12

Latitude of	♄	♃	♂	♀	☿
to every 10 Day of the Moneth.	2 N 17	0 N 32	1 S 52	0 N 52	2 S 04
	2 19	0 20	2 31	1 15	3 32
	2 20	0 38	3 11	1 52	3 28

JUNE hath 30 dayes.

P.	of	☉	☾	♄	♃	♂	♀	☿
1	20	♊ 45	♋ 10	5 ♎ 31	18 ♐ 43	16 ♒ 27	22 ♋ 26	27 ♉ 33
6	25	31	♍ 10	35	18 04	17 56	28 23	04 ♊ 20
11	00	♋ 16	♏ 11	40	17 28	19 13	04 ♌ 17	12 28
16	05	02	♑ 20	48	16 52	20 07	10 10	21 41
21	09	47	♈ 04	56	16 19	20 40	16 02	01 07
26	14	32	♊ 11	6 9	15 49	51	21 53	12 37

M.	W.	Quart. ☾. Courts. Pla. Asp &c.	R ☉ S	SR As.	☾ An.	h.	m
1	4		28	19	0	09	36
2	5	☌ ♀ Lun.	28	23	02	10	24
3	6	✱ ♀ Lun.	27	27	03	09	36
4	7	△ ♃ ☾.	27	31	04	08	48
5	B	✱ ☉ ☾. ☾ Apo.	27	36	05	08	00
6	2	Artillery Election Boston.	27	40	06	07	12
7	3	1 Qua. 19. m. p. 8. n. C. N. Lond.	26	44	07	06	24
8	4	C. Court. N. Haven.	26	4[illegible]	08	05	36
9	5	△ ♂ Lun.	26	52	09	04	48
10	6	△ ☉ Lun.	26	56	10	04	00
11	7	LONGEST DAY.	26	6 00	11	03	12
12	B	✱ ♀ ♄.	26	04	12	02	24
13	2	△ ♀ Lun.	26	08	13	01	36
14	3	☍ ♃ ♀.	26	15	14	00	48
15	4	Full Moon. 53. m. p. 5. moru.	26	17	15	00	00
16	5	[△ ♂ ♀. T. Rise.	26	21	16	00	48
17	6	□ ☉ ♄. △ ♄ Lun.	27	25	17	01	36
18	7	☌ ♂ Lun.	27	29	18	02	24
19	B	△ ☉ Moon ☾ Perig.	27	33	19	03	12
20	2	□ ♃ Lun. T. Fall	27	38	20	04	00
21	3	2 Qua. 15. m. p. 8. night. Co.	28	42	21	04	48
22	4	[Charlstown.	28	46	22	05	36
23	5	□ ♄ ♀.	28	50	23	06	24
24	6	☾ ☊	29	54	24	07	12
25	7	☍ ♂ ♀.	29	58	25	08	00
26	B	☌ ♃ Lun.	29	7 02	26	08	48
27	2	✱ ♀ Lun.	30	06	27	09	36
28	3	Court Salem. ☌ ☉ ♀.	30	10	28	10	24
29	4	N. Moon. 52. m. p. 3. moru.	31	14	29	11	12
30	5	✱ ♄ Lun.	32	19	01	11	12

Latitude of	♄	♃	♂	♀	☿
to every 10 day of the Moneth,	2 N 22	0 N 26	3 S 57	1 N 44	2 S 04
	25	24	4 42	49	0 06
	27	23	5 30	35	1 N 18

JULY hath 31 days.

Pla.	of ☉	☾	♄	♆	♂	♀	☿
1	19 ♋ 18	♌ 13	6 ♎ 28	15 ♐ 19	20 ♒ 45	27 ♌ 41	23 ♋ 28
6	24 03	♍ 12 44		14 57	34	03 ♍ 28	01 ♌ 49
11	28 49	♎ 16 7	03	37	19 55	08 12	13 28
16	03 ♌ 35	♓ 01	24	22	02	14 51	25 20
21	08 22	♈ 11	47	11	17 52	20 32	00 ♍ 26
26	13 09	♉ 15 8	12	5	16 34	26 07	07 47

Dl.	W.	Quart. ☾. Courts P. Asp.	R ☉ ☿ S. R. Asc.	☾ Ag.	h.	m.
1	5	△ ♆ Lun.	32	23	02	10 24
2	7	☌ ♂ Lun.	32	27	03	09 35
3	B	♂ ♀ Lun. ☾ Apo.	33	31	04	08 48
4	2		34	35	05	08 00
5	3	Grand ASSIZE Boston.	35	39	06	07 12
6	4	COMMENCEMENT.	36	43	07	06 24
7	5	☾ Quar. 14. m p. 12. noon.	36	47	08	05 36
8	6	✶ ♄ ♀.	37	51	09	04 48
9	7	□ ♂ Lun. △ ☉ Moon.	38	55	10	04 00
10	B		39	59	11	03 12
11	2	☌ ♆ Lun.	40	3 03	12	02 24
12	2	△ ♈ ☿. T. Rise	41	07	13	01 36
13	4	□ ♄ Lun.	42	11	14	00 48
14	5	Full Moon. 47 m p. 1. noon.	43	15	15	00 06
15	6	□ ♆ ♀. H. Tides	44	19	16	00 48
16	7	☾ Perig.	45	24	17	01 36
17	B	☍ ♀ Lun. T Fall	46	27	18	02 24
18	2	△ ☉ Moon.	47	31	19	03 12
19	3	DOG Days begin.	48	35	20	04 00
20	4	△ Mercry Lun. ✶ ☉ ☽	49	39	21	04 48
21	5	☌ Quart, 35. m p. 3. morn.	50	43	22	05 36
22	6	☾ ♑.	51	47	23	06 24
23	7	✶ ☉ Lun.	52	51	24	07 12
24	B	□ ♀ Lun.	53	55	25	08 00
25	1	✶ Mercry Lun.	54	58	26	08 48
26	3	Court Boston.	55	9 02	27	09 36
27	4	△ ☉ ♈. T. Rise	56	06	28	10 24
28	5	N. Moon. 27. m. p. 11: night.	57	10	29	11 12
29	6	☍ ☉ ♂. T. Fall.	58	14	01	11 12
30	7	☾ Apo.	59	17	02	10 24
31	B	□ ♆ ☿.	5 01 7	21	03	09 36

Latitude of	♄	♆	♂	♀	☿
to every 10 day of the Moneth.	2 N 30	N 21 6	S 10	1 N 31	01 N 46
	33	19	24	15	01 10
	35	18	18 0	45	00 06

AUGUST hath 31 days.

Pla.	of ☉	☾	♄	♅	♂	♀	☿
1	19 ♌ 08	♍ 27 08	♎ 15	14 ♐ 23	14 ♒ 58	2 ♎ 46	15 ♍ 37
6	23 42	♎ 28 09	12	14 08	13 40	08 11	21 09
11	28 1	♏ 29 09	48	14 16	12 28	13 33	25 36
16	03 ♍ 21	♐ 24 10	3	14 29	11 34	18 50	28 35
21	08 15	♑ 0° 10	14	14 46	10 59	24 00	29 42
26	13 02	♒ 0 11	18	15 0	10 39	29 02	28 26

M. W. Quart. ☾. Courts P. Asp. R ☉ S. S. R. Asc. ☾ Ag. h. m.

1	2	☌ ♀ Lun.		5 02	7 09	25 04	08	48
2	3	☌ ♄ Lun. ✶ ♅ Lun. △ ♂ Lun		03		29 05	08	00
3	4	✶ ☉ Lun.		05		33 06	07	12
4	5	✶ ♅ ♂.		06		37 07	06	24
5	6	✶ ♀ Lun. ☾ ♍		07		40 08	05	36
6	7	1. Quart. 1. m. p. 2. morn.		07		44 09	04	48
7	8	☌ ♄ ♀ ☌ ♆ Lun.		08		48 10	04	00
8	9	△ ☉ Lun.		09		51 11	03	12
9	2	□ ♄ Lun. □ ♀ Lun.		10		55 12	02	24
10	4	△ ♂ ♀ Spring Tides Rise		11		58 13	01	36
11	5	△ ♄ Lun.		12	10	02 14	00	48
12	6	Full Moon. 4. m. p. 10. n. ✶ ♅ ☿.		14		06 15	00	00
13	7	♆ Lun. High Tides		15		10 16	00	48
14	8	☌ ♀ Lun ☽ Peri		17		14 17	01	36
15	2	☍ ♄ Lun.		18		17 18	02	24
16	3	☍ ♀ Lun. Tides Fall		19		21 19	03	12
17	4	□ ☌ Lun.		20		25 20	04	00
18	5	☽ ♑		22		28 21	04	48
19	6	2. Quart. 19 m. p. 10. m.		24		32 22	05	36
20	7	△ ♀ Lun. ☍ ♅ Lun.		25		35 23	06	24
21	8	□ ♀ Lun.		27		39 24	07	12
22	9	△ ♄ ☌. ✶ ☉ Lun.		28		43 25	08	00
23	9	□ ♀ Lun. ✶ ♀ Lun.		29		46 26	08	48
24	1	☍ ☌ Lun.		30		50 27	09	36
25	5	△ Jup. Lun.		31		53 28	10	24
26	6	✶ ♀ Lun.		32		57 29	11	12
27	7	N. Moon. 2. m. p. 3 afternoon.		34	11	01 00	00	00
28	8	[Tides not very high ☽ Apo.		35		24 01	11	12
29	9	□ ☉ Jup. △ ☌		37		08 02	10	24
30	3	✶ Jup, Lun.		39		12 03	09	36
31	4	☌ Venus Lun?		40		15 04	08	48

Latitude of	♄	♅	☌	♀	☿
to every 10 day of the Moneth.	2 N 39	0 N 17	3 S 48	0 S 01	1 S 48
	2 41	0 16	3 14	0 52	3 32
	2 43	0 14	4 48	1 43	3 42

SEPTEMBER hath 30 dayes.

Pla. of	☉		☾		♄		♃		♂		♀		☿	
1	18	53	♍ 12	11	58	15	♐ 10	10	36		04 ♍ 52		23 ♍ 45	
6	23	45	♎ 18	12	34	16	10	11	02		09	34	18	50
11	28	39	♈ 02	13	10	16	44	11	48		14	00	15	38
16	03	♓ 34	♉ 12	13	45	17	22	12	53		18	15	16	30
21	08	20	♊ 15	14	20	18	02	14	10		22	06	20	52
26	13	26	♋ 15	14	58	18	48	15	40		25	34	27	56

M.	W.	Quart. ☾. Courrs. Pla. Asp &c.	R ☉	S	R As.	☾ Ag.	h.	m
1	5	☌ ♀ Lun. ☾ ♍	5 42	7	19	05	08	00
2	6	✶ ☉ Lun.	44		23	06	07	12
3	7	☌ ☉ ♀.	46		26	07	06	24
4	B	1. Quart. 25. *m.* p. 1. afternoon.	47		30	08	05	36
5	1	✶ ♀ Lun.	49		33	09	04	48
6	2	□ ♄ Lun. △ ♀ Lun. Tides Riſe	51		37	10	04	00
7	3	△ ☉ Lun ☾ Perig	52		41	11	03	12
8	4	□ ☌ ♀. ☌ ♂ Lun	53		44	12	02	24
9	6	□ ♅ ♀.	54		48	13	01	36
10	7	△ ♀ Lun..	56		51	14	00	48
11	B	Full Moon 53. *m.* p. 4. morn.	57		55	15	00	00
12	1	Artillery Election Cambridge	58		59	16	00	48
13	2	✶ ♀ ♀. Tides Fall	59		12 02	17	01	36
14	4	□ ☌ Lun. ☌ ♀ ☾. ☾ ♋	6 00	6	06	18	02	24
15	5	△ ☉ Lun.	02		09	19	03	12
16	6	☌ ♅ Lun. △ ♂ Lun.	04		13	20	04	00
17	7	□ ♆ ♀.	05		17	21	04	48
18	B	2. Quart. 39. *m.* p. 4. morn.	06		20	22	05	36
19	2	✶ ♀ Lun.	07		24	23	06	24
20	3	Co. N. London. & Plimouth.	09		27	24	07	12
21	4	△ Jup. Lun. ☾ Apog.	11		31	25	08	00
22	5	△ ♄ ♂.	12		35	26	08	48
23	6	☌ Venus Lun.	13		38	27	09	36
24	7	✶ Venus Lun. ☌ ♀ Lun.	15		42	28	10	24
25	B	☌ ☉ Lun. ☌ ♄ Lun.	17		45	29	11	12
26	2	N. Moon, 53. *m.* p. 7. m.	18		49	00	00	00
27	3	Co. Pleas Ipſwich. & Spring-	20		53	01	11	12
28	4	☌ ☉ ♄. [Field.	23		57	02	10	24
29	5	△ ☉ ☌. ☌ Venus Lun.	24	13	01	03	09	36
30	6	✶ ♀ Lun. ☾ ♍.	26		04	04	08	48

Latitude of	♄	♃	♂	♀	☿
to every 10 day of the Moneth,	2 N 44	0 N 13	4 S 11	2 S 43	2 S 04
	2 45	0 12	3 32	3 26	0 N 42
	2 46	0 11	3 05	4 26	1 S

OCTOBER hath 31 dayes.

Pla. of ☉		☾	♄	♃	♂	♀	☿
1	18 ♎ 23	♐ 17	14 ♎ 34	19 ♐ 34	17 ♒ 23	28 ♏ 34	05 ♎ 00
6	23 21	♒ 26	16 11	20 25	19 23	1 ♐ 1	14 55
11	48 21	♉ 10	48	21 17	21 42	2 41	23 33
16	03 ♏ 21	♋ 17	17 23	22 12	24 04	3 3[illegible]	02 ♏ 00
21	08 22	♍ 17	58	23 08	26 33	29	10 11
26	12 24	♏ 18	18 34	24 08	29 10	2 23	18 13

M.	W.	Quart. ☾. Courts Pl Asp. &c	R ☉ S.	S. R.	As ☾	Au	h. m
1	7	✱ ☉ Lun.	27		03	06 7	11
2	B	□ ♄ Lun.	29		11	07 6	24
3	2	1 Quart: 33. m. p. 9. night.	30		15	08 5	36
4	3	C. Pleas Cambr. & Grea. Iland	31		19	09 4	48
5	4	C. Assist Plimouth.	32		22	10 4	00
6	5	□ ♀ Lun. ☾ Perig.	34		16	11 3	12
7	6	☌ ♄ Mercry. Tides Rise	35		30	12 2	24
8	7	△ ♀ Lun.	37		34	13 1	36
9	B	△ ♂ Mercury.	39		38	14 0	48
10	2	Full Moon. 12 m. p. 2. afterno.	40		41	15 0	00
11	3	C. York. C. Assi. Hartford T. Fall	41		45	16 0	48
12	4	☾ ☊.	42		49	17 1	36
13	5		43		53	18 2	24
14	6	△ ♄ Lun	44		57	19 3	12
15	7	△ ☉ Lun	45	14	00	20 4	00
16	B		47		04	21 4	48
17	2	2 Quart. 16. m. p. 10. night.	48		08	22 5	36
18	3	Co. B rustable.	49		12	23 6	24
19	4	☍ ♂ Lun.	50		16	24 7	12
20	5	✱ ☉ Moon	51		20	25 8	00
21	6	☾ Apog	53		24	26 8	48
22	7	□ ♃ Lun. ✱ ♀ Lun.	54		28	27 9	36
23	B		56		32	28 10	24
24	2	✱ ♃ Lun. Tides Rise	57		36	29 11	12
25	3	N. Moon. 13. m p. 6. n. C. Pl Bost.	59		39	00 0	00
26	4		7 00	5	43	01 11	1[illegible]
27	5	☌ ♀ Lun. Tides Fall	01		47	02 10	24
28	6	✱ ☉ Lun.	02		41	03 9	36
29	7	✱ ♀ Lun.	03		55	04 8	48
30	B	✱ ☉ Lun.	05		59	05 8	0[illegible]
31	2		07	5	03	06 7	1[illegible]

Latitude of	♄	♃	♂	♀	☿
to every 10 day of the Moneth.	2 N 47	0 N 11	2 S 38	5 S 10	0[illegible] S 32
	47	10	10	35	00 36
	46	09	1 45	30	00 32

NOVEMBER hath 30 dayes

Pla. of	☉		☾		♄		♃		♂		♀		☿	
1	19	♏ 26		♒ 09	19	♎ 12	25	♑ 19	02	♓ 28	29	♏ 46	27	♏ 38
6	24	30		♈ 20		45	26	23	05	15	26	56	5	♑ 20
11	29	34		♉ 01	20	18	27	29	08	09	27	55	12	55
16	4	♑ 39		♊ 02	20	49	28	33	11	09	21	12	20	15
21	09	44		♋ 01	21	18	29	39	14	08	19	16	27	♐ 27
26	14	49		♌ 08		45	0	♐ 46	17	06	18	20	04	16

M.	W	Quart. ☾. Courts. Pla. Asp. &c.	R	☉ S.	R.	Asc.	☾ Ag.	h.	m
1	3	Grand. ASSIZE. B. C. Fairfield.		08		07	27	5	24
2	4	1 Quart. 45. m. p. 7 mo.		09		11	08	5	36
3	5	☾ Perig		10		15	09	4	48
4	6	△ ☉ Lun. □ ♃ Lun.		11		19	10	4	00
5	7			12		23	11	3	12
6	8	□ ♂ Mercury.		13		27	12	2	24
7	9	Lun ♄		14		31	13	1	36
8	10	♂ ☉ ♀. T. Rise		15		36	14	0	48
9	11	Full Moon. 49. m. p. 1. m. C. Co		16		40	15	0	00
10	12	(at N. Haven		17		45	16	0	48
11	13	☿ ♃ Lun. Tides Fal		18		49	17	1	36
12	14			19		53	18	2	24
13	15	□ ♄ Lun. □ ♀ Lun.		20		58	19	3	12
14	16			20	16	2	20	4	00
15	17	C. Court Bristol.		21		7	21	4	48
16	18	2 Quart. 18. m. p. 6. n. Fair Brist.		22		11	22	5	36
17	19	Fair Bristol. [Lun Ap.		23		15	23	6	24
18	20	□ ♄ Lun.		23		19	24	7	12
19	21	✶ ☉ Moon.		24		23	25	8	00
20	22	♂ ♄ Lun.		24		28	26	8	48
21	23	✶ ♃ Lun.		25		32	27	9	36
22	24	Lun ♍.		26		36	28	10	24
23	25	♂ ♃ ♀ Tides Rise		27		40	29	11	12
24	26	N. Moon 24. m. D. 4. afternoon.		27		44	00	00	00
25	27	✶ ♄ Lun. ♂ ♃ Lun.		28		49	01	11	12
26	28	♂ ♀ Lun.		29		53	02	10	24
27	29	□ ♄ Lun.		29		57	03	9	36
28	30	△ ♂ ♀.		30	17	2	04	8	48
29	31	Court. Pleas Salem:		30		6	05	8	00
30	32	✶ ♃ Lun. ✶ ♀ Lun.		31		11	06	7	12

Latitude of	♄	♃	♂	♀	☿
to every 10th Day of the Moneth.	2 N 44	0 N 8	1 S 20	2 S 30	1 S 36
	42	7	04	31	2 17
	40	610	49	06	2 15

DECEMBER hath 31 dayes

Pla. of	☉	☾	♄	♅	♂	♀	☿
1	13 ♐ 55	♓ 16 22	♎ 10 01	♍ 04 20	♓ 16 18	♌ 25 10	♍ 14
6	15 01	♉ 27 22	34 03	03 23	25 20	06 14	29
11	00 ♍ 13	♌ 05 22	56 04	11 26	33 22	16 15	40
16	05 14	♎ 13 23	15 05	21 29	45 25	08 12	09
21	10 20	♐ 25 23	21 06	29 ♈ 02	57 28	21 05	44
26	15 27	♒ 15 23	51 07	38 06	10 02	♐ 0 00	27

M. W. Quart. ☾. Courts. Pla. Asp &c. R ☉ S. S. R. Asc. ☾ Ag. h. m

1	1	t. Quart. 39. m. p. 2. afternoon.		7	21	5	17	15 07	06 24
2	6	☐ ☉ ♂.	[☾ Perig.		32			10 08	05 36
3	7	✶ ☉ ♄.			32			25 09	04 48
4	B	△ ♆ Lun	Tides Fall		33			29 10	04 00
5	2	☌ ♀ Lun.	Lun. ☌		33			34 11	03 12
6	3	✶ ♂ Lun.			33			38 12	02 24
7	4				31			42 13	01 36
8	5	Full Moon. 54. m p. 3. afternoon.			34			47 14	00 48
9	6	☌ ♆ Lun.			34			51 15	00 00
10	7	☐ ♄ Lun.			34			56 16	00 48
11	B				34	18	00	17	01 36
12	2				34			05 18	02 24
13	3	△ ☉ Lun.	✶ ♄ Lun.		34			09 19	03 12
14	4	△ ♀ Lun.			34			14 20	04 00
15	5	✶ ♀ Lun.	Lun. Apo		34			19 21	04 48
16	6	2. Quart. 28. m p 3. afternoon.			31			24 22	05 36
17	7	☌ ☉ ♆.	☐ ☿ Lun.		33			28 23	06 24
18	B	☌ ♄ Lun.			33			33 24	07 12
19	2	✶ ☽ Lun.	☌ ☉ ☿.		33			37 25	08 00
20	2	Co. Pleas Charlstown.	Lun ☍		32			41 26	08 48
21	4	△ ♀ Lun.	☌ ♆ Mercury.		22			45 27	09 36
22	5	✶ ♄ Lun.			32			49 28	10 24
23	6	☐ ☌ ☿.	Spring Tides Rise		21			54 29	11 12
24	7	N. Moon. ☾ 2. m. p. ☾. morn.			21			58 0	11 12
25	B	✶ ☌ Lun.	Venus Lun.		30	9	03	0 10	24
26	2	△ ♄ Lun.			30		07	03 09	36
27	2				29		11	04 08	48
28	4	✶ ☉ Lun.			29		16	05 08	00
29	5	☐ Mercury Lun.	Lun. Perig.		28		20	06 07	12
30	6	t. Quart. 39. m. p. 10. n	Tides Fall		28		25	06 06	24
31	7		[☐ ♅ ☌.		27	19	29	08 05	36

Latitude of	♄	♆	☌	♀	☿
to every 10th Day of the Moneth.	2 N 37	0 N 5	0 S 34	1 N 36	1 S 54
	2 34	4	22 3	1 36	N 55
	2 31	3	10 4	1 83	2

JANUARY hath 31 dayes.

Pla. of	☉		☾		♄		♃		♂		♀		♀	
1	21	♑ 34	♉	1	24	♎	2	00	♑	9	10	♈ 03	05	♐ 51	29	♐ 56
6	26	40	♋	6	24		13	10		0	15	18	10	06	02	♑ 47
11	01	♒ 46	♌	18	24		20	11		16	15	35	14	52	07	28
16	06	51	♍	17	24		25	12		21	19	51	19	48	13	13
21	11	56	♎	25	24		26	13		27	23	10	24	55	19	45
26	17	01	♈	09	24		26	14		30	25	27	00	♑ 06	26	42

M. W. Quart. ☾. Courts Pl. Asp. &c. R ☉ S. S. R. A. ☾ Ag h. m.

1	A	△ ♆ Lun.	☾ ♌			7	20	5	19	35	09	04	48
2	2	△ ☉ Lun.					25			39	10	04	00
3	3	✶ ♂ Lun	♂ ♀ Lun.				24			43	11	03	12
4		△ ♄ Lun.	□ ☉ ♄				23			47	12	02	24
5	5	☌ ♆ Lun.					22			51	13	01	36
6	6	□ ♂ Lun.					21			56	14	00	48
7	7	Full Moon. 35 *m.* p 8. morn.					21		20	00	15	00	00
8	A	△ ♂ Lun.					20		20	04	16	00	48
9	2	✶ ♄ Lun.					19			09	17	01	36
10	3	△ ♆ Lun.					18			13	18	02	24
11	4	☾ Apog					17			17	19	03	12
12	5	△ ☉ Lun.					16			22	20	04	00
13	6	□ ♆ Lun.	✶ ♀ Lun.				15			26	21	04	48
14	7	♂ ♄ Lun.					14			30	22	05	36
15	A	☽ Quart. 15. *m.* p. noon.					13			34	23	05	24
16	2	△ ♂ ♀ [♂ Jup. Mercu. ☽ ♍					12			38	24	07	12
17	3						11			42	25	08	00
18	4	✶ ☉ Lun.					10			46	26	08	48
19	5	♂ ♀ Lun.					09			50	27	09	36
20	6	♂ Jup. Lu.	Tides Rise				08			54	28	10	24
21	7	□ ♄ Lun.	✶ Saturn ♀.				07		21	58	29	11	12
22	A	N. Moon. 35. *m* p. 5. afternoon.					06			03	00	00	00
23	2	☌ Saturn Mars.					05			07	01	11	12
24	3	□ Saturn Mercury.	High Tides				04			11	02	10	24
25	4	□ Venus Lun.	Lun Perig.				03			15	03	09	36
26	5	□ Mars Mercury	Tides Fall				02			19	04	08	48
27	6	☌ Saturn Lun.	✶ ☉ Lun				00			23	05	08	00
28	7	△ Venus Lun.	Lun. ♌	6	59	&				27	06	07	12
29	A	☽ Quart. 20. *m.* p. 3. morn.					57			31	07	05	24
30	2	□ ♀ Lun.					56			34	08	05	36
31	2	Court Pleas Bostn.					54			28	09	01	48

Latitude of	♄		♃		♂		♀		♀	
to every 10 day	2	N 28	0	N 20	N	2	4	N 32	1	N 40
of the Moneth.	2	26	0	1		5		10	0	08
	2	23	0	0		11	3	48	0	S 05

FEBRUARY hath 29 dayes

Pla. of	☉		☽		♄		♃		♂		♀		☿	
1	23 ♒	5	♋	01	24 ♎	21	15 ♑	46	00 ♉	22	6 ♑	31	5 ♒	37
6	28	8	♍	02		14	16	46	03	38	11	48	13	25
11	3 ♓	10	♏	03		04	17	45	06	51	17	31	21	32
16	08	12	♑	04	23	53	18	41	10	09	23	08	01 ♓	2
21	13	13	♓	17		40	19	36	13	26	28	48	08	59
26	18	12	♊	01		27	20	38	16	44	4 ♒	31	18	22

M.	W.	Quart, of ☾. Courts Pla. Asp. &c	R ☉ S	S. R.	Asc.	☾ Ag.	h. m
1	4	△ ☉ Lun.	6 52 6		41	10 4	00
2	5	△ ☉ ♄.	50		46	11 3	12
3	6	□ ♄ Lun.	48		50	12 2	24
4	7	☍ ♀ Lun. □ ♂ Lu	48		54	13 1	36
5	A	✱ ♄ Lun.	47		58	14 0	48
6	2	Full Moon. 27 m. p. 2. morn.	47	22	2	15 0	00
7	3	△ ♃ Lun.	46		06	16 0	48
8	4	☾ Apo.	44		10	17 1	36
9	5		42		14	18 2	24
10	6	☌ ♄ Lun. □ ♃ Lun. △ ☿ Lu.	40		17	19 3	12
11	7	☍ ♂ Lun. △ ☉ Lun. ☌ ♃ ♀.	39		21	20 4	00
12	A	✱ ♃ Lun.	38		25	21 4	48
13	2	△ ♄ Mercury.	37		29	22 5	36
14	3	2 Quart. 53. m. p. 5. morning.	36		33	23 6	24
15	4	✱ ♄ Lun.	35		36	24 7	12
16	5	✱ ☉ Moon.	34		40	25 8	00
17	6	□ ♄ ♀. ☌ ♄ Moon.	32		44	26 8	48
18	7	☌ ♀ Lun.	31		48	27 9	36
19	A	△ ♄ Lun. Tides Rise	29		52	28 10	24
20	2	☌ Mercury Lun.	28		55	29 11	12
21	3	N. Moon. 47. m. p. 3. morn.	27		59	00 0	00
22	4	✱ ♀ Lun. H. Tides Lu. Perig.	26	22	3	01 11	12
23	5	✱ ☉ ♂.	24		06	02 10	24
24	6	Lun ☊.	22		10	03 9	36
25	7	✱ ♂ ☿. Tides Fall.	20		13	04 8	48
26	A	☌ ☉ Mercury.	18		17	05 8	00
27	2	1 Quart. 2. m. p. 8. night.	16		21	06 7	12
28	3	[✱ ♃ Mercury.	14		24	07 6	24
29	4	✱ ♃ ☉. ✱ ♂ Lun.	13		26	08 5	36

Latitude of	♄	♃	♂	♀	☿
to every 10th Day of the Moneth.	2 N 21	0 S 2	0 N 15	3 N 6	1 S 55
	20	3	17	2 21	2 3
	19	4	20	0 31	1 26

The Explanation of the Ephemeris.

ON the head of the Page, next under the title of the Month, the places of the 7 Planets, to every 6th day of the month are noted; Of the several Columnes underneath, The first holdeth the dayes of the Month. The Second of the Weeks; the Dominical Letter denoting the Sabbath day. The third, the Quarters of the Moon, Planetary Aspects Courts. Elections Spring tides &c. The Fourth, the Rising and Setting of the Sun. The Fifth the Suns Right Ascension in houres and minutes. The Sixth, the Moons Age. The Seventh, the time between New and Full Moon to be Substracted; between Full and New to be added, to the hour shewn by the shaddow of the Moon on a Sun Dyall, to find the time of the Night.

For Example

On the 15th day of March, the Moon casting its shade upon the 12th hour line of a Sun dyall, I would know what is the time of the night, I find in the Columne of the Moons age, that it is 12 dayes old; over against its age in the last Columne, I find 02 hours 24 minutes; now because the Moon is going to the Full, I count forward from 12 to 10, 09, Substracting 02 houres 24 *min.* And there remaines 9 houres, 36 *min.* for the true time of the night; On the contrary you are from the Full to the New, to count forwards, or to add to the houres and minutes in the last Column. So on the 21 day of the Month, the Moon is 18 dayes old, the houres and minutes opposite to it are 02 24. We count forwards from 12 to 01, 01 &c. (because the Moon is going from the Full to the New) and the time of the night will be (supposing the Moon to shine on the 12th hour) 24 minutes past 1.

The Fifth Column serves to shew the time of the Night by several of the most noted Stars, whose Right Ascensions and Semidiurnal Arches, in houres and minutes this following Table expresseth.

	S.As.	S.Ar.		R.As	S.Ar
Middle of ♍ 7 Star	03 26	7 28	Former in his belt	05 46	5 58
Arcturus	14 00	7 23	His right shoulder	05 56	6 27
Bulls eye	04 16	7 00	Lesser Dog	07 21	6 22
Virgins Spike	13 07	5 35	Former horn Ram	01 36	7 08
Fomahant	22 38	3 46	Eagles heart	19 34	6 30
Great Dog	06 31	4 58	Lyons heart	09 50	6 43
Orions left foot	04 58	5 28	Scorpions heart	16 09	4 16

By the help of this Table, and the Suns Right Ascension, may be found the Southing, Rising and Setting of these Stars; and consequently the time of the Night.

As

As ſuppoſe, on the First day of *March*, I deſire to know the time of the night by *Virgins Spike*. In the 5th Column of the month *March*, on the firſt day, I find the Suns Right Aſcenſion, to be 23 houres 28 minutes. And the Preceding table ſhews the Right Aſcenſion of Virgins Spike to be 13 houres, 7 minutes, to which (becauſe it is leſs then the Suns Right Aſcenſion) I add 24 houres, and the Summ is 37 houres 7 minutes: From whech I Subtract 23 houres 28 minnutes, and the Remainder is 13 h. 39 min: the time from noon, when *Virgins Spike* comes to the Meridian; from which caſt away 12 houres, and the Remaind is the hour paſt Midnight. Having thus found the time of its Southing, add unto it, its Semidiurnal Arch ſet down in the foregoing table, and the ſumm will ſhew the time of its Setting; Subtract the Semidiurnal Arch, and the Remainder ſhows the time of its Riſing, and ſo you will know the time of the night.

For Example.

It Souths 13 houres 39 minutes after noon, add thereto 5 houres 35 minutes, its Semidiurnal Arch, and the Aggregate is 19 houres 14 minutes; whence caſt away 12 houres, and there remains 7 houres 14 minutes, the time of its ſetting after midnight. Subtract 5 houres 35 min: from 13 houres 39 minutes, and there is left 8 houres 4 minutes, the time from noon, of its Riſing.

At the Foot of the Page, are placed the Latitudes of the Five Planets, *Saturn*, *Jupiter*, *Mars*, *Venus*, *Mercury*. The Letters S. & N. Shewing when they have their Latitude South or North of the Ecliptick.

Sic in ſe ſua per veſtigia, volvitur Annus.

~~June 28. 1687. Lent Mr. Bradstreet Gazette from Dec.r 2.86 to Ap. 21. 1687.~~